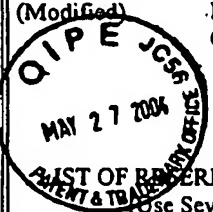


Form PTO 1449 (Modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	DOCKET NO.	SERIAL NO.
	5988-055-27	10/679367 10/648,243
	APPLICANT	
	Motoyuki SHIMA et al.	
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	August 27, 2003	1756

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
SJL	BA	2003-0022095 A1	01/2003	KAI ET AL.	430	170	
	BB	2003-0113658 A1	06/2003	EBATA ET AL.	430	270.1	
	BC	2003-0113660 A1	06/2003	YONEDA ET AL.	430	270.1	
	BD	2003-0170561 A1	09/2003	IWASAWA ET AL.	430	270.1	
	BE	2003-0157423 A1	08/2003	NAGAI ET AL.	430	170	
	BF	2003-0191268 A1	10/2003	IWASAWA ET AL.	528	10	
	BG	2003-0203307 A1	10/2003	SOYANO ET AL.	430	270.1	
	BH	2003-0194634 A1	10/2003	NAGAI ET AL.	430	170	
	BI	2003-0203309 A1	10/2003	NISHIMURA ET AL.	430	270.1	
	BJ	2003-0219680 A1	11/2003	NISHIMURA ET AL.	430	270.1	
	BK	2004-0072094 A1	04/2004	SHIMA ET AL.	430	270.1	
↓	BL	2004-0048192 A1	03/2004	SHIMA ET AL.	430	270.1	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO
SJL	BM	05-127369	05/1993	JAPAN	ABST
↓	BN	06-266111	10/1994	JAPAN	ABST
↓	BO	07-146558	06/1995	JAPAN	ABST
	BP				
	BQ				

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	BR	
	BS	
	BT	
	BU	
EXAMINER	<i>Li A. Lu</i>	DATE CONSIDERED 6-19-2005

*EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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9-2007